

# acm Transactions on Computer Systems

---

Volume 14 • 1996

<i>Editor-in-Chief</i>	Kenneth P. Birman	
<i>Information Director</i>	Cindy Williams	
<i>Associate Editors</i>	Anant Agarwal	Monica Lam
	Ozalp Babaoglu	Henry Levy
	Maurice Herlihy	Larry L. Peterson
	Frans Kaashoek	

Published by ACM, Inc.

Copyright 1996 Association for Computing Machinery, Inc.  
1515 Broadway, New York, NY 10036

---

137 1995 Author Index. (Feb.), 137.

223 Birman, K. Editorial. (Aug.), 223.

1 Weiser, M. Guest Editorial. (Feb.), 1-2.

## Articles

41 Anderson, T.E., Dahlin, M.D., Neeffe, J.M., Patterson, D.A., Roselli, D.S., and Wang, R.Y. Serverless Network File Systems. (Feb.), 41-79.

80 Bressoud, T.C. and Schneider, F.B. Hypervisor-Based Fault-Tolerance. (Feb.), 80-107.

311 Cao, P., Felten, E. W., Karlin, A. R., and Li, K. Implementation and Performance of Integrated Application-Controlled File Caching, Prefetching, and Disk Scheduling. (Nov.), 311-343.

3 Chan, K. See Chen, J.B. (Feb.), 3-40.

3 Chen, J.B., Endo, Y., Chan, K., Mazières, D., Dias, A., Seltzer, M., and Smith, M.D. The Measured Performance of Personal Computer Operating Systems. (Feb.), 3-40.

225 Corbett, P.F. and Feltelson, D.G. The Vesta Parallel File System. (Aug.), 225-264.

265 Cristian, F., Dancey, B., and Dehn, J. Fault-Tolerance in Air Traffic Control Systems. (Aug.), 265-286.

41 Dahlin, M.D. See Anderson, T.E. (Feb.), 41-79.

265 Dancey, B. See Cristian, F. (Aug.), 265-286.

265 Dehn, J. See Cristian, F. (Aug.), 265-286.

287 Devarakonda, M., Kish, B., and Mohindra, A. Recovery in the Calypso File System. (Aug.), 287-310.

3 Dias, A. See Chen, J.B. (Feb.), 3-40.

3 Endo, Y. See Chen, J.B. (Feb.), 3-40.

225 Feltelson, D.G. See Corbett, P.F. (Aug.), 225-264.

311 Felten, E. W. See Cao, P. (Nov.), 311-343.

108 Golding, R. See Wilkes, J. (Feb.), 108-136.

- 139 Grimshaw, A.S., Weissman, J.B., and Strayer, W.T. Portable Run-Time Support for Dynamic Object-Oriented Parallel Processing. (May), 139-170.
- 171 Hardy, D.R. and Schwartz, M.F. Customized Information Extraction as a Basis for Resource Discovery. (May), 171-199.
- 311 Karlin, A.R. See Cao, P. (Nov.), 311-343.
- 287 Kish, B. See Devarakonda, M. (Aug.), 287-310.
- 311 Li, K. See Cao, P. (Nov.), 311-343.
- 3 Mazières, D. See Chen, J.B. (Feb.), 3-40.
- 287 Mohindra, A. See Devarakonda, M. (Aug.), 287-310.
- 41 Neeffe, J.M. See Anderson, T.E. (Feb.), 41-79.
- 41 Patterson, D.A. See Anderson, T.E. (Feb.), 41-79.
- 41 Roselli, D.S. See Anderson, T.E. (Feb.), 41-79.
- 344 Saavedra, R.H. and Smith, A.J. Analysis of Benchmark Characteristics and Benchmark Performance Prediction. (Nov.), 344-384.
- 200 Satyanarayanan, M. See Spasojevic, M. (May), 200-222.
- 80 Schneider, F.B. See Bressoud, T.C. (Feb.), 80-107.
- 171 Schwartz, M.F. See Hardy, D.R. (May), 171-199.
- 3 Seltzer, M. See Chen, J.B. (Feb.), 3-40.
- 385 Shavit, N. and Zemach, A. Diffracting Trees. (Nov.), 385-428.
- 344 Smith, A.J. See Saavedra, R.H. (Nov.), 344-384.
- 3 Smith, M.D. See Chen, J.B. (Feb.), 3-40.
- 200 Spasojevic, M. and Satyanarayanan, M. An Empirical Study of a Wide-Area Distributed File System. (May), 200-222.
- 108 Staelin, C. See Wilkes, J. (Feb.), 108-136.
- 139 Strayer, W.T. See Grimshaw, A.S. (May), 139-170.
- 108 Sullivan, T. See Wilkes, J. (Feb.), 108-136.
- 41 Wang, R.Y. See Anderson, T.E. (Feb.), 41-79.
- 139 Weissman, J.B. See Grimshaw, A.S. (May), 139-170.
- 108 Wilkes, J., Golding, R., Staelin, C., and Sullivan, T. The HP AutoRaid Hierarchical Storage System. (Feb.), 108-136.
- 385 Zemach, A. See Shavit, N. (Nov.), 385-428.

